

The Leibniz-Institut für Analytische Wissenschaften - ISAS - e.V. is located in Dortmund and Berlin. Besides scientific activities in the development of new or improved measuring methods and analytical separation techniques as well as spectroscopy and spectrometric equipment in modern analysis, research is undertaken in the areas of spectroscopic methods and analytical contributions to solving problems in the fields of materials and life sciences.

At ISAS Dortmund we invite applications for a

**Post-doctoral position (m/f) in mass spectrometry based quantification of proteins
for Deep Molecular Phenotyping of the Mouse**

Our expertise is in merging interesting biological questions with leading-edge analytical techniques, including mass spectrometry, that help decipher protein identities, quantities and modifications. Our projects range from basic discovery research to clinically relevant analytical studies. We apply our considerable mass spectrometry-based expertise to deciphering the precise role that protein expression profiles and modifications play in disease progression. In brief, we are interested in how mass spectrometry based protein quantification is an alternative for immunoassays. This project is a joint effort with the University of Victoria, British Columbia and the McGill University, Montreal.

The successful candidate should be graduated in any area of life science, ideally with a background in analytical chemistry and should have strong experience in protein chemistry, mass spectrometry and quantification strategies. Applicants will expect to have demonstrated an excellent academic and publication record. The ability to work both independently and as a team member and excellent communication skills will be an advantage.

Your profile

- PhD in Life Sciences (Biochemistry, Pharmacy, Biology or related field)
- Advanced experience in mass spectrometry based proteomics
- Experience in strategies for peptide quantification (MRM/PRM)
- Experience in analysis of OMICS data
- Experience in extraction from various tissues

We offer

- Scientific development opportunities in an international cooperative, interdisciplinary research environment and an excellent working atmosphere in a very dynamic and professional team
- Extensive state-of-the-art equipment and infrastructure in various analytical methods
- The opportunity to present your data on international conferences and participate in workshops

Non-residents who apply for this job will receive help from the institute to find accommodation and to handle authorities. Applications from disabled applicants are welcome. ISAS supports the principle of equal opportunity between men and women, and is therefore interested in applications from women.

The salary will be according to the German TV-L. The full-time position is offered for 3 years. The time limitation of the contract is based on the Wissenschaftszeitvertragsgesetz (WissZeitVG). The position is immediately available.

Closing date for application is **11th August 2017**. Complete applications with an extended curriculum vitae with full publication list, a cover letter, a 2-page research statement that clearly describes your research profile and interests as well as your expertise and methodological competencies, names and contact information of 2 references, if available, should be submitted (quoting the reference number **29/2017** in the subject header) as a single pdf document to personal@isas.de. Informal inquiries are welcome and can be submitted to the human resources department (personal@isas.de). For further information on the institute please see: <http://www.isas.de>.